

**QC ABSTRACT**

NAME OF WORK: Repairs and Renovation to Samudhaya Bhavana Building at Nagenahalli & Kenchenahalli in Chowdeshwari ward no-02 of Yelahanka Sub Division.

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
Materials						
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeablity method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
2	Coarse aggregate(40 mm down size)	Compressive Strength	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
3	Coarse aggregate(20 mm down size)	Water Absorption	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
4	Fine aggregate	Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	PCC(M15)	Compressive Strength(7days and 28days)	1 Set		2	2

Handwritten signature/initials

Re
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TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2023-02-28-16
Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address : Yelahanka Sub Division, BBMP, Bangalore.
Project Name : Repairs and Renovation to Samudhaya Bhavana Building at Nagenahalli & Kenchenahalli in Chowdeshwari ward no-02 of Yelahanka Sub Division.
Agency : Sri Chethan P, No 53/23 5th Cross, Lawlrence layout, Veerannapalya, Bangalore-560045.
Customer's Reference : BBMP/EE/YNK.D/EPMT-12/W.O/50/2022-23
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 02-01-23
Sample Type : Fine Aggregate
Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2021
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
Date of test : 02-01-23

Total weight taken : 1000 grams

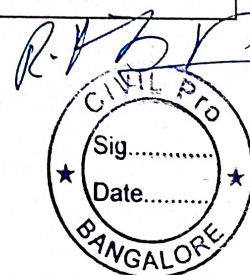
Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	27	27	2.7	97.3	90-100	90-100	90-100	95-100
3	2.36 mm	55	82	8.2	91.8	60-95	75-100	85-100	95-100
4	1.18 mm	239	321	32.1	67.9	30-70	55-90	75-100	90-100
5	600 micron	205	526	52.6	47.4	15-34	35-59	60-79	80-100
6	300 micron	203	729	72.9	27.1	5-20	8-30	12-40	15-50
7	150 micron	191	920	92.0	8.0	0-10	0-10	0-10	0-15
8	Pan	80	1000	100.0	0.0	---	---	---	---

Result : The tested Sample Conforms to Grading Zone II

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-02-28-16
Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address : Yelahanka Sub Division, BBMP, Bangalore.
Project Name : Repairs and Renovation to Samudhaya Bhavana Building at Nagenahalli & Kenchenahalli in Chowdeshwari ward no-02 of Yelahanka Sub Division.
Agency : Sri Chethan P, No 53/23 5th Cross, Lawlrence layout, Veerannapalya, Bangalore-560045.
Customer's Reference : BBMP/EE/YNK.D/EPMT-12/W.O/50/2022-23
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 23-01-23
Customer ID : Flooring Concrete for Toilet
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M15 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date: 27/01/2023

Date of test : 27/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Flooring Concrete for Toilet	M15	20/01/2023	27/01/2023	150.20 X 150.67 X 150.40	22630	8.710	275.3	12.2	12.4
2	Flooring Concrete for Toilet	M15	20/01/2023	27/01/2023	149.29 X 151.27 X 151.83	22583	8.667	281.4	12.5	
3	Flooring Concrete for Toilet	M15	20/01/2023	27/01/2023	150.73 X 150.09 X 149.00	22623	8.778	284.7	12.6	

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.

All information furnished by Agency/Representative

Any correction in the report will make this report invalid

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Samples will be disposed after 30 days from the date of issue of test certificate

Executive Engineer
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Yelahanka, Bangalore

CP
AS



FOR CIVIL Pro.
R. KARTHIK RECHAN
Authorized Signatory
Quality Manager

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****End of Report****

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